

SEQUENCE LISTING

<110> TYRRELL, JOHN V.
BERGQUIST, PATRICIA R.
BERGQUIST, PETER L.
SCHOLIN, CHRISTOPHER A.

<120> COMPOSITIONS AND METHODS FOR DETECTING RAPHIDOPHYTES

<130> 50681200121

<140> To be assigned
<141> Herewith

<150> 09/596,136
60/141,362
<151> 2000-06-16
1999-06-28

<160> 30

<170> PatentIn Ver. 2.1

<210> 1
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 GTGCTCAGCT ACTCTCCAGG GCTAAGTCTG TTTGTGAAAG ACAGCATCAT GGACGGTGAT 180
 AATCCGGTTC TTGCCTTGGG TGTTGTAGCG TCTTGAGCCG TCCTCAACGA GTCGAGTTGC 240
 TTGGGATTGC AGCTCTAACG GGGTGGTAAA TTCCATCTAA AGCTAAATAT TGGTGGGAGA 300
 CCGATAGCGA ACAAGTACCG TGAGGGAAAG ATGAAAAGAA CTTTGAAAAG AGAGTTAAAT 360
 AGTACCTGAA ACTGCTGAAA GGGGAAGCGAA TGAAGTCAGT GTTGCTCTTT GTTCTCTGCA 420
 TCCTCCCTGC GGGGATTGTG TATCGAGGAC TTTGAGCTTG TCAGGATGAG TTCTCTGCCG 480
 CGGGATATGG TTTGTGAGCT GGATGCTTCT GCTGAACCTCA CTCTCTCTGT CGTGGCTTGG 540
 ACTGAGGTTG CATCTTGCCTG TTGCCTGCTT GTTACTCTCC TGTGCTGTT TCTGTCTAC 600
 TGCTGCAGT GTTCGGTTGC AGTGATTGGA CTGTGCAAGT TATGCATGCA AGGTCAGGAT 660
 CCTGACGAAT GGCTTTATTA ACCCGAA 687

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CTACTCTCCA GGGCTAAGTC TGTTGTGAA AGACAGTGTG ATGGACGGTG ATAACCCGGT 180
TCTTGCCTTG GATGTTGAG CGTTTGAGC CGTCCTAAC GAGTCGAGTT GCTTGGGATT 240
GCAGCTCTAA GTGGGTGGTA AATTCCATCT AAAGCTAAAT ATTGGTGGGA GACCGATAGC 300
GAACAAGTAC CGTGAGGGAA AGATGAAAAG AACCTTGAAA AGAGAGTTAA ATAGTACCTG 360
AAACTGCTGA AAGGGAAGCG AATGAAGTCA GTGTTGCTCT TTGTGCTCTG CATCCTCCCT 420
GCGGGGATTG TGTATCGAGG ACTTGAGCT TGTCAGGATG AGTCTCTGC CGCGGGATAT 480
GTTTGTATG CTGGATGCTT TTTGCGGAAC ATACATTCTC TGTCGTGGCT TGGACTGAGG 540
TTCCATCTTG CCGTTGCCCTG TGCGTTCCCTC TCCCCTGCT GTCTCTGTTC TACTGCTTGC 600
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AATGGCTTTA TTCACCCCGCA A 681

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CGCGCCCCCT GGCAAAAGTCC CCTGGAACGG GGCATCGTGG ACGGTGACAA TCCGGTTCAT 180
GCCTGGGTG TCGCGTGTGT ACGGGCCGTT TTCAACGAGT CGAGTTGCTT GGGATTGCAG 240
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AAGTACCGTG AGGGAAAGAT GAAAAGAACT TTGGAAAGAG AGTAAACAG TACCTGAAAT 360
TGCTGAAAGG GAAGCGAAGG AAGTCAGTGT ATGCCGGGG TCATATTTCG TGCTGCCTT 420
AGGGGTAGTG CGCGCTGTGT CCCATGGGCT GGTCAAGGATG GGTTTGTTC GCGGGAGATT 480
CCCAGGGTTG AGGTAGGTCC TTTTGGATTG TCAGCAACCC TGTGGCATGT CGTGGTTCGG 540
ACCGAGGCAT TAGTGCACCT TGGTTGTAC GGTTTATAT GCGTGATCAT GTCTGTGACA 600
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CTGTCAAATG GCTTCTTCC ACCTCTTGAA AGACGGACCA AGG 703

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GTAACGGCGA GTGAAGCGGG AAGAGCTCAT GTTGTAAATC TCCAGCTTGC TGGCGAATTG 120
TAGTCTAAAG GTGCGTGCTC AGTCGTGGTC CCGGGCTAAG TCTGTTGGAA AACAGCATCA 180
TGGACGGTGA CAATCCGGTT CTTGCCTGGG GTCCCGCGGC GTACGAGCCG TTTCCGACGA 240
GTCGTGTTGC TTGGGATTGC AGCACTAAAGT GGGTGGTAAA TTCCATCTAA AGCTAAATAT 300
TGGTGGGAGA CCGATAGCGA ACAAGTACCG TGAGGGAAAG ATGAAAAGAC TTTTGAAG 360
AGAGTAAAT AGTACCTGAA ACTGCTGAAA GGGAAAGCGAT TGAAGTCAGT GTTGCTCCTG 420
GTCTTTTGC CGTCGCCCTC GTGGGGGTTG CGGCCTGGGG CCTGGAGCGT TTCAACATGC 480
GTTCTGTTCC GCGGGAAATG TTCAGTGTGC TGGAACTTCG GGGAAACGCA CTGTTCTTGT 540
CGTGGTTAGG ACGGAGGACC TTTGCTCCTT TGACTGCGCG TTCCCTCTC GGGTATGCTG 600
GTGTCTACTG CTTGCAGTT TCATTTTCAT GCTTGCGACT GTGCCTGTTA TTCATGAGCG 660
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AGCCGTGCTC CAGGGCTAAG TCTGTTGGAA AACAGCATCA TGACGGTGA TAATCCGGTT 180
CTTGCCCTGG GTGTTGCGGT GTACGAGCCG TGATCCACGA GTCGAGTTGC TTGGGATTGC 240
AGCTCTAACG GGGTGGTAAA TTCCATCTAA AGCTAAATAT TGGTGGGAGA CCGATAGCAA 300
ACAAGTACCG TGAGGGAAAG ATGAAAAGAA CTTTGAAAAG AGAGTTAAAA AGTACCTGAA 360
ATTGCTGAAA GGGAAAGCGAA TGAAGTCAGT GTCTGCTCCT GGTTGTATTT TCGGAGTCCC 420
TGCGGGGATT CCGGCACTGT GGCCTGGAGC ATGTCAGGAT GAGTTCTCTG CCGTGGGATA 480
TGTTTGGTGG GATTGGTACC TTCGGGGAAA CCCGCCACTC TTGTCATGGC TTGGACTGAG 540
GTTCCATCTC GCCGTTGCC TGCCCGTCGC TCTCTGCCGG TTGTTGCTGT CCTACTGCTT 600
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PCR Primer

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PCR Primer

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